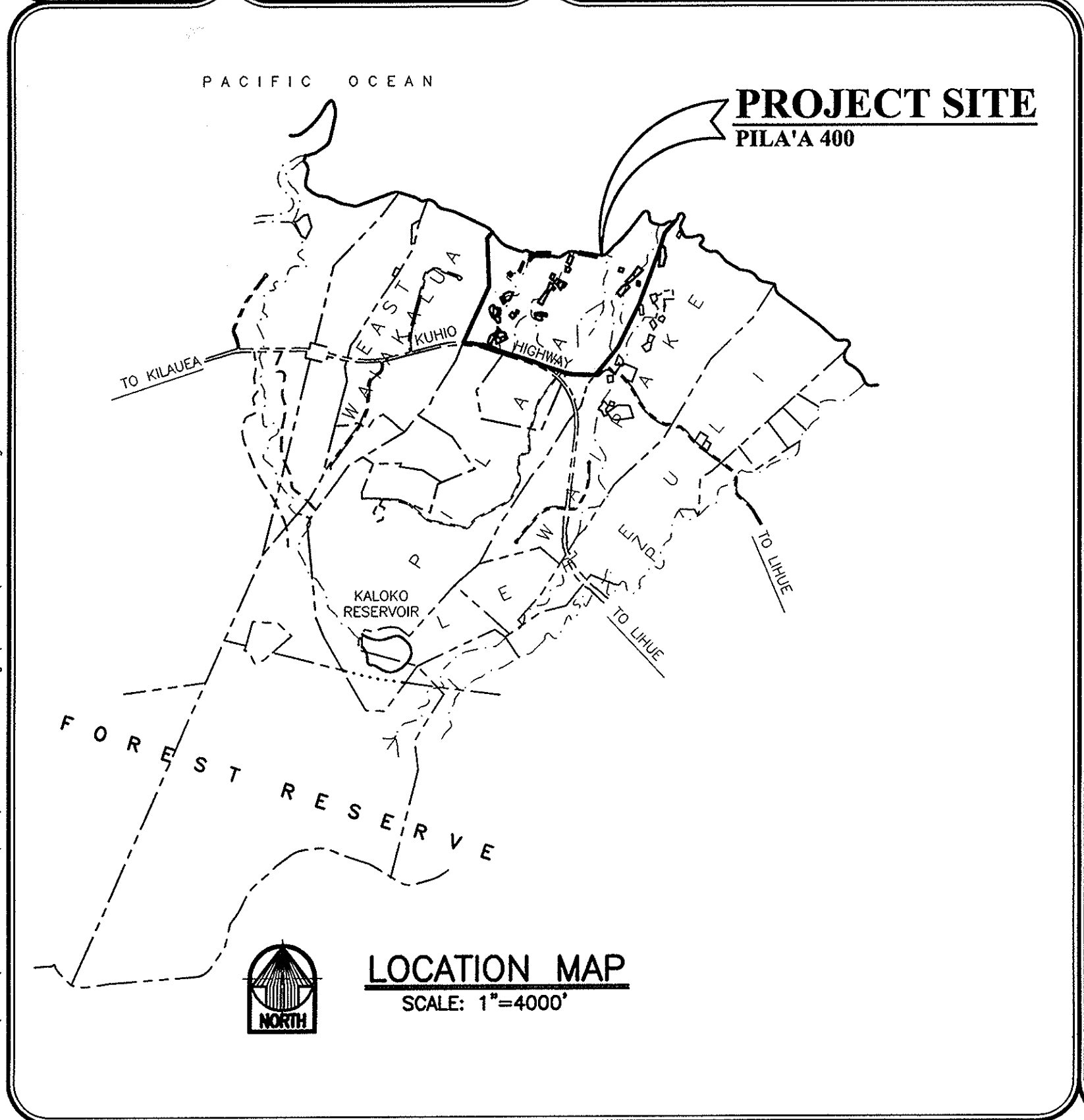
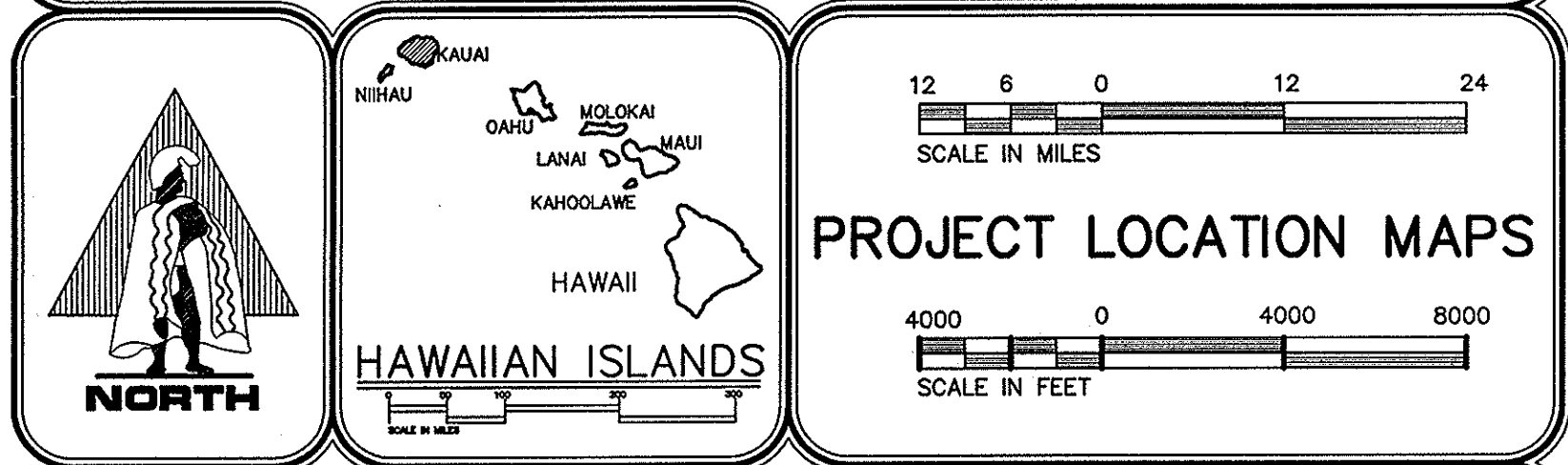
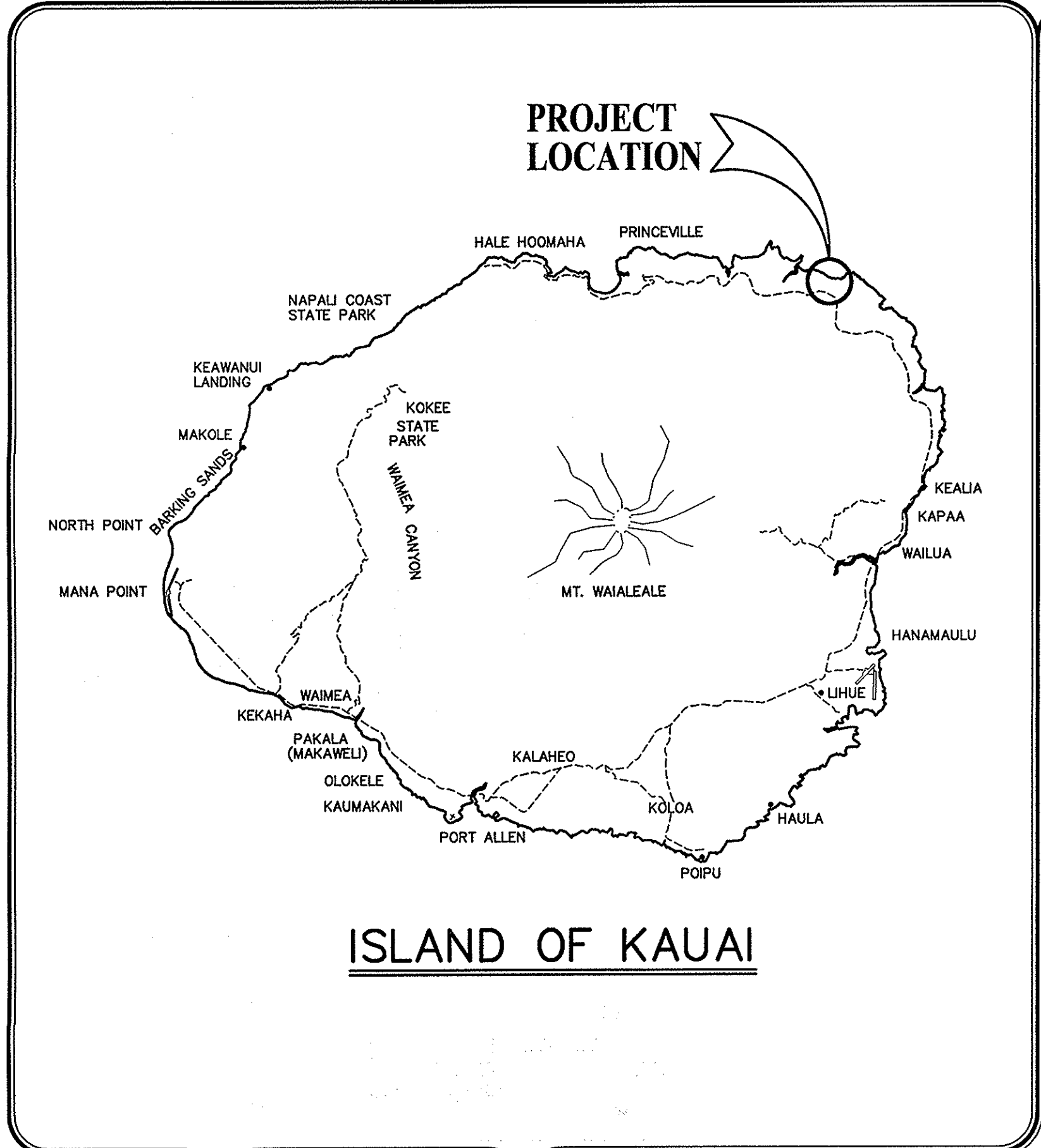


CONSTRUCTION PLANS FOR: PILA'A 400 REMEDICATION PLANS - PACKAGE 1

LOCATED AT:
PILA'A, KAUAI, HAWAII
TAX MAP KEY 5-1-04:8



PREPARED FOR:
PILA'A 400, LLC
1450 South Beretania Street
Honolulu, Hawaii 96814

PREPARED BY:
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INDEX OF DRAWINGS:

SHT. NO.	DESCRIPTION	SHT. NO.	DESCRIPTION
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APPROVED BY:

PLANNING DIRECTOR, PLANNING DEPARTMENT, COUNTY OF KAUAI	DATE
CHIEF ENGINEER, DEPARTMENT OF PUBLIC WORKS COUNTY OF KAUAI	DATE
DEPARTMENT OF LAND & NATURAL RESOURCES STATE OF HAWAII	DATE

RECORD COPY

JUL -7, 2004
CONSENT DECREE VERSION:
DECEMBER 16, 2005

PROJECT NO. (8CH)2C J2.33.2600 DATE: AUGUST, 2003

GENERAL NOTES:

- ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED.
- ALL CONSTRUCTION WORKS SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1986, AND THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1984, OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUAI, AS AMENDED.
- THE CONTRACTOR SHALL SO CONDUCT HIS OPERATIONS AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC AND HE SHALL HAVE UNDER CONSTRUCTION NO GREATER LENGTH OR AMOUNT OF WORK THAT HE CAN PROSECUTE PROPERLY WITH DUE REGARD TO THE RIGHTS OF THE PUBLIC.
- THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER "AS BUILT" DRAWINGS OF ALL NEW IMPROVEMENTS UPON COMPLETION OF WORK.
- ENVIRONMENTAL POLLUTION CONTROL: CONTRACTOR SHALL KEEP THE PROJECT AND SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.

ENVIRONMENTAL POLLUTION CONTROLS SHALL BE DONE AT THE CONTRACTOR'S OWN EXPENSE.
- OWNER IS PROVIDING A STOCKPILE OF BAGGED HYDROMULCH CARRIER (CONTAINS NO SEED OR FERTILIZER) ON THE PLATEAU BETWEEN GULCHES 2 & 3. THERE ARE APPROXIMATELY 860 BAGS OF SPRAY MATT BONDED FIBER MATRIX IN THE STOCKPILE. EACH BAG CONTAINS 50 LBS OF HYDROMULCH. THESE BAGS SHALL BE USED FOR THE "STANDARD" HYDROMULCH CARRIER MIXTURE.
- OWNER IS PROVIDING A STOCKPILE BORROW SITE ON THE PLATEAU BETWEEN GULCHES 2 & 3.
- EXISTING WATER SUPPLY PIPES ARE AVAILABLE FOR TEMPORARY IRRIGATION USE.

EROSION CONTROL AND BEST MANAGEMENT PRACTICE NOTES:

- CLEARING, GRUBBING AND GRADING SHALL BE HELD TO THE MINIMUM NECESSARY. GRADING AND GRUBBING SHALL BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF CLEARED SURFACE AREA. DISTURBED AREA SHALL NOT EXCEED 10 ACRES AT ANY ONE TIME.
- INSTALL ALL EROSION CONTROL STRUCTURES WHERE INDICATED ON THESE PLANS.
- CONSTRUCTION ENTRANCES AND ROADWAYS SHALL BE COVERED WITH COMPACTED #2 ROCK OR COMPACTED ROAD BASE COURSE.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL BEFORE GRADING AND GRUBBING OPERATIONS BEGIN. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE GRADING AND GRUBBING PERIOD.
- ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, FOR EXAMPLE, WEEKLY IN DRY PERIODS AND WITHIN TWENTY-FOUR HOURS AFTER ANY RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24-HOUR PERIOD. DURING PROLONGED RAINFALL, DAILY CHECKING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
- IF HEAVY RAINS ARE PROJECTED DURING A WORKDAY, ALL CONTROL STRUCTURES THAT ARE A PART OF THIS PROJECT WILL BE INSPECTED IMMEDIATELY AND REINFORCED AS NECESSARY.
- ALL EROSION CONTROL STRUCTURES THAT ARE A PART OF THIS PROJECT WILL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED. BEFORE FINAL ACCEPTANCE, ALL TEMPORARY STRUCTURES SHALL BE REMOVED AND REVEGETATED.
- FERTILIZER AND PESTICIDE APPLICATION SHALL NOT OCCUR IF HEAVY RAINS ARE ANTICIPATED DURING THE WORKDAY, OR DURING HEAVY RAINS.
- THE OWNER SHALL MAINTAIN RECORDS OF THE DURATION AND ESTIMATED VOLUME OF STORM WATER DISCHARGE(S).
- A SPECIFIC INDIVIDUAL APPOINTED BY THE OWNER SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON THIS PROJECT.
- GOOD HOUSEKEEPING PRACTICES SHALL BE MAINTAINED FOR STORAGE OF HAZARDOUS CHEMICALS, SUCH AS PESTICIDES AND FERTILIZER, TO PREVENT SPILLAGE FROM OCCURRING AND FLOWING INTO WATERCOURSES. ALL SPILLS SHALL BE STOPPED AND CLEANED UP WITH PROPER ABSORBENT MATERIAL. ABSORBENT MATERIAL SPILL KITS SHALL BE MAINTAINED ON-SITE.
- SANITARY AND SEPTIC WASTES SHALL BE COLLECTED FROM ON-SITE FACILITIES ON A REGULAR BASIS BY A LICENSED HAULER. SANITARY AND SEPTIC FACILITIES SHALL NOT BE LOCATED NEAR WATERCOURSES.
- VEHICLE AND EQUIPMENT MAINTENANCE AND FUELING SHALL BE DONE OFF-SITE (WHERE AT ALL POSSIBLE).
- DUST CONTROL WITH WATER SPRAY (BY TRUCK OR TEMPORARY SPRINKLERS) SHALL BE INSTALLED AS NEEDED. DO NOT OVERWATER.
- CONTRACTORS AND SUBCONTRACTORS SHALL BE TRAINED ON THE BEST MANAGEMENT PRACTICES.
- FABRIC ON ALL EROSION CONTROL STRUCTURES SHALL BE CLEARED OF SILT IMMEDIATELY FOLLOWING THE END OF ANY RAINFALL THAT CAUSES SILT BUILDUP ON THE FABRIC.
- STABILIZATION SHALL BE ACCOMPLISHED BY TEMPORARY OR PERMANENTLY PROTECTING THE DISTURBED SOIL SURFACE FROM RAINFALL IMPACTS AND RUNOFF WITH PLANTING. TEMPORARY IRRIGATION SHALL BE INSTALLED TO FACILITATE GROWTH OF STABILIZATION. DO NOT OVERWATER.
- CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL STRUCTURES AS NEEDED WHERE CONTRACTOR TRAVELS OR WORKS BEYOND THE GRADING LIMITS INDICATED ON THE PLANS.

GRADING NOTES:

- THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM HIS WORK AND DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS. THE COST INCURRED FOR ANY NECESSARY REMEDIAL ACTION AS DETERMINED BY THE OWNER OR GOVERNMENT AGENCIES SHALL BE AT NO ADDITIONAL COST TO THE COUNTY OF KAUAI.
- ANY REMAINING SEDIMENT AND DEBRIS IN WATERWAYS AND DRAINAGE FACILITIES SHALL BE REMOVED UPON COMPLETION OF GRADING OPERATIONS.
- THE CONTRACTOR AT HIS OWN EXPENSE SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH AND THE GRADING ORDINANCE OF THE COUNTY OF KAUAI.
- ALL GRADING WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1986, OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUAI, AS AMENDED.
- WHERE EXISTING GROUND IS STEEPER THAN 5 HORIZONTAL TO 1 VERTICAL (5:1), KEYING IS REQUIRED TO PROPERLY BOND THE NEW FILL TO THE SLOPE. SEE DETAIL SHEET C-11.
- NO GRADING WORK SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS AT ANYTIME WITHOUT PRIOR NOTICE TO THE OWNER'S REPRESENTATIVE AND A WRITTEN PERMISSION FROM THE COUNTY ENGINEER.
- THE LIMITS OF THE GRADED AREA SHALL BE FLAGGED BEFORE THE COMMENCEMENT OF THE GRADING WORK.
- ALL GRADING GRUBBING AND STOCKPILING WORK SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF KAUAI ORDINANCE NO. 695 AND THE CONTRACT SPECIFICATIONS.
- IN ACCORDANCE WITH CHAPTER 11-60.1, AIR POLLUTION CONTROL, TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH, BURNING OF GRUBBED MATERIAL ON THE PROJECT SITE SHALL NOT BE PERMITTED. GRUBBED MATERIAL SHALL BE DISPOSED OF OFF-SITE.
- ISSUANCE OF A GRADING GRUBBING OR STOCKPILING PERMIT SHALL BE DEEMED TO INCLUDE THE RIGHT OF THE COUNTY ENGINEER OR HIS REPRESENTATIVE TO ENTER UPON THE PROPERTY TO INSPECT OPERATIONS.
- HOURS OF OPERATION - 6:00 A.M. TO 6:00 P.M. DAILY EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS AND AS AUTHORIZED IN WRITING BY THE COUNTY ENGINEER.
- ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE GRADING ORDINANCE TO PREVENT VIOLATION OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF HEALTH, WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS (CHAPTERS 11-54 AND 11-55) DUE TO EROSION AND RUNOFF TO STATE WATERS.
- GRUBBED MATERIAL, DEMOLITION WASTES AND CONSTRUCTION WASTES SHALL BE DISPOSED OF IN ACCORDANCE TO THE REQUIREMENTS OF THE STATE DEPARTMENT OF HEALTH OF KAUAI AND AT AN AUTHORIZED SITE HAVING A DEPARTMENT OF HEALTH SOLID WASTES MANAGEMENT PERMIT. OPEN BURNING IS PROHIBITED. THE CONTRACTOR SHALL INFORM THE COUNTY ENGINEER OF THE LOCATION OF DISPOSAL SITES. THE DISPOSAL SITE SHALL COMPLY WITH GRADING ORDINANCE NO. 695.
- EARTHWORK QUANTITIES ARE:

	EXCAVATION	EMBANKMENT	GRADED AREA
AREA A	1,460 CY	310 CY	0.50 ACS
AREA B	2,000 CY	2,590 CY	3.30 ACS
AREA C	1,960 CY	0	0.40 ACS
SHORELINE	50 CY	2,570 CY	0.50 ACS
TOTAL	5,470 CY	5,470 CY	4.70 ACS

EARTHWORK QUANTITIES ARE FOR GRADING PERMIT ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING HIS OWN QUANTITIES.
- THE COUNTY SHALL BE INFORMED OF THE LOCATION OF THE DISPOSAL SITE FOR THE EXCESS MATERIAL FROM THIS PROJECT WHEN THE APPLICATION FOR A GRADING PERMIT IS MADE. THE DISPOSAL SITE SHALL COMPLY WITH GRADING ORDINANCE NO. 695.
- ELEVATION DATUM FOR THESE CONSTRUCTION PLANS IS BASED ON MEAN SEA LEVEL.

SOIL STOCKPILE NOTES:

- ALL WORK ON THE STOCKPILE SHALL CONFORM TO THE EROSION CONTROL AND BEST MANAGEMENT PRACTICE NOTES LISTED ON THIS SHEET.
- A SILT FENCE (REFER TO DETAIL ON SHEET C-5) SHALL BE PLACED AROUND THE DOWN STREAM END OF THE STOCKPILE. THIS SILT FENCE SHALL BE REPAIRED AND CLEANED AFTER EVERY SIGNIFICANT RAINFALL EVENT.
- STOCKPILE SHALL BE STABILIZED AT THE END OF EACH WORKDAY. STABILIZATION IS DEFINED AS SOME TYPE OF COVERING OVER THE STOCKPILE, SUCH AS TARPAULIN OR HYDROMULCH.
- STOCKPILE LOCATION IS INDICATED ON SHEET C-3.
- ESTIMATED STOCKPILE AREA: 0.5 ACRES.
ESTIMATED MAXIMUM STOCKPILE VOLUME: 4,000 CY.
- UPON COMPLETION OF THE PROJECT, THE EXCESS MATERIAL AT THE STOCKPILE SHALL BE REMOVED AND THE STOCKPILE SITE SHALL BE GRADED AND REPLANTED WITH GRASS.
- A DESIGNATED AGENT OF THE OWNER SHALL BE IN CHARGE OF SUPERVISION OF THE STOCKPILE OPERATION.

TEMPORARY DUST AND EROSION

CONTROL NOTES:

- THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO THAT EXCAVATION, EMBANKMENT AND IMPORTED MATERIAL SHALL BE DAMPENED TO PREVENT DUST PROBLEMS.
- IN APPLYING FOR A GRADING PERMIT, THE CONTRACTOR SHALL SUBMIT PLANS, SCHEDULES AND/OR WRITTEN MEASURES WHICH PROVIDE FOR DUST CONTROL. THE DUST CONTROL MEASURES SHALL CONTAIN POSITIVE STATEMENTS WHICH REQUIRE ACTION OR WORK THAT PREVENT DUST PROBLEMS, NO PERMITS WILL BE ISSUED UNLESS THE COUNTY IS ASSURED THAT DUST PROBLEMS WILL BE MINIMIZED.
- TEMPORARY VEGETATIVE COVER SHALL BE PLANTED WITHIN A PERIOD OF 14 CALENDAR DAYS FOR GULCH 2 & GULCH 3 AFTER THE SITE HAS BEEN GRADED OR IF FINAL GRADING OF THE SITE WILL BE SUSPENDED FOR MORE THAN 14 CALENDAR DAYS.
- TEMPORARY VEGETATIVE COVER SHALL CONSIST OF A GRASS SEED MIXTURE APPLIED WITH A HYDROMULCH CARRIER. GRASS SEED MIXTURE SHALL BE OF ANNUAL RYEGRASS AND COMMON BERMUDA IN THE FOLLOWING AMOUNTS:
A. ANNUAL RYEGRASS 3 LBS PER 1000 SF
B. COMMON BERMUDA 4 LBS PER 1000 SF
ON ALL AREAS TO RECEIVE TEMPORARY VEGETATIVE COVER, PRIOR TO HYDROMULCHING, APPLY A 1" LAYER OF ORGANIC COMPOST AND FERTILIZER OVER ENTIRE PLANTING AREA AND TILLED 4" DEEP INTO SOIL (OMIT ORGANIC SOIL AMENDMENT FOR AREAS B & C). FERTILIZER SHALL BE APPLIED AT A RATE OF 1 LB. OF NITROGEN PER 1,000 SQ.FT. A TEMPORARY IRRIGATION SYSTEM IS TO BE INSTALLED CONCURRENTLY WITH ALL PLANTING OPERATIONS. PLANTING AND MAINTENANCE SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1986, AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1984, OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUAI, AS AMENDED.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL PROVIDE EFFECTIVE MEASURES FOR THE CONTROL OF FUGITIVE DUST EMISSIONS FROM THE PROJECT AND SURROUNDING AREAS CAUSED BY HIS OPERATIONS. THESE MEASURES SHALL MEET THE REQUIREMENTS OF STATE ADMINISTRATIVE RULES, DEPARTMENT OF HEALTH, AIR POLLUTION CONTROL (11-60).

PERMANENT EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL GRASS ALL EXPOSED AREAS WITHIN THE AREAS OF CONSTRUCTION WORK. SEE PARAGRAPH #3-TEMPORARY DUST AND EROSION CONTROL NOTES.
- IN AREAS NOT COVERED BY THE LANDSCAPING PLANS, THE CONTRACTOR SHALL GRASS THESE AREAS WITH A GRASS MIXTURE APPLIED WITH A HYDROMULCH CARRIER. GRASS SEED MIXTURE SHALL BE OF ANNUAL RYEGRASS AND COMMON BERMUDA IN THE FOLLOWING AMOUNTS:
A. ANNUAL RYEGRASS 3 LBS PER 1000 SF
B. COMMON BERMUDA 4 LBS PER 1000 SF
ON ALL AREAS WHERE GRASS IS TO BE GROWN (AS INDICATED ON THE LANDSCAPING PLANS) AND ON ALL AREAS NOT COVERED BY THE LANDSCAPING PLANS, PRIOR TO HYDROMULCHING, APPLY A 1" LAYER OF ORGANIC COMPOST AND FERTILIZER OVER ENTIRE PLANTING AREA AND TILLED 4" DEEP INTO SOIL (OMIT ORGANIC SOIL AMENDMENT FOR AREAS B & C). FERTILIZER SHALL BE APPLIED AT A RATE OF 1 LB. OF NITROGEN PE 1,000 SQ. FT. A TEMPORARY IRRIGATION SYSTEM IS TO BE INSTALLED CONCURRENTLY WITH ALL PLANTING OPERATIONS. THE TEMPORARY IRRIGATION SYSTEM SHALL REMAIN UNTIL ALL CONSTRUCTION IS COMPLETED AND TEMPORARY EROSION CONTROL STRUCTURES ARE REMOVED. EROSION CONTROL MATTING SHALL BE UTILIZED WHERE INDICATED ON THE PLANS. PLANTING AND MAINTENANCE SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1986, AND THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1984, OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUAI, AS AMENDED.
- FOR AREAS STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL WHERE HYDROMULCH IS TO BE APPLIED, HYDROMULCH CARRIER SHALL ALSO CONTAIN "AIRTRLO SS" ADDITIVE, WITH THE "AIRTRLO SS" ADDED TO THE HYDROMULCH CARRIER AT A RATE OF 6,000 LBS PER ACRE. SEED MIXTURE AND FERTILIZER APPLICATION RATE SHALL BE THE SAME AS IN NOTE 2 OF THIS SECTION. NO TILLING OR APPLICATION OF ORGANIC COMPOST SHALL BE PERFORMED ON SLOPES STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- FOR AREAS WITH SLOPES OF 2 HORIZONTAL TO 1 VERTICAL OR FLATTER, APPLY HYDROMULCH AS INDICATED IN NOTE 2 OF THIS SECTION.
- REFER TO LANDSCAPE PLANS FOR REVEGETATION PROCEDURES AND SPECIFICATIONS.

ENVIRONMENTAL PROTECTION NOTES:

- IN ACCORDANCE WITH CHAPTER 11-60.1, AIR POLLUTION CONTROL, TITLE 11, HAWAII ADMINISTRATIVE RULES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EFFECTIVE CONTROL MEASURES ARE PROVIDED TO MINIMIZE OR PREVENT ANY VISIBLE DUST EMISSION CAUSED BY THE CONSTRUCTION WORK FROM IMPACTING THE SURROUNDING AREAS INCLUDING THE OFF-SITE ROADWAYS USED TO ENTER/EXIT THE PROJECT. THESE MEASURES INCLUDE BUT ARE NOT LIMITED TO THE USE OF WATER WAGONS, SPRINKLER SYSTEMS, DUST FENCES, ETC.
- IN ACCORDANCE WITH CHAPTER 11-55, WATER POLLUTION CONTROL AND CHAPTER 11-54, WATER QUALITY STANDARDS, TITLE 11, HAWAII ADMINISTRATIVE RULES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE BEST MANAGEMENT PRACTICE (BMP) TO MINIMIZE OR PREVENT THE DISCHARGE OF SEDIMENTS, DEBRIS, AND OTHER WATER POLLUTANT INTO STATE WATERS IS PROVIDED.
- IN ACCORDANCE WITH CHAPTER 11-58, SOLID WASTE MANAGEMENT CONTROL, TITLE 11, STATE ADMINISTRATIVE RULES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT GRUB MATERIAL, DEMOLITION WASTE AND CONSTRUCTION WASTE GENERATED BY THE PROJECT ARE DISPOSED OF IN A MANNER OR AT A SITE APPROVED BY THE STATE DEPARTMENT OF HEALTH. DISPOSAL OF ANY OF THESE WASTES BY BURNING IS PROHIBITED.
- WORK SHALL BE DONE IN CONFORMATNCE WITH THE COMMUNITY NOISE STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 46, "COMMUNITY NOISE CONTROL".

Rev	Date	Description	Eng	App
CONSENT DECREE VERSION: DECEMBER 16, 2005				

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
AND CONSTRUCTION OF THIS
PROJECT WILL BE UNDER MY
OBSERVATION.

APRIL 30, 2004
EXPIRATION DATE OF THIS LICENSE

Paul A. Wallraaben

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**PILA'A 400
REMEDIATION PLAN - PACKAGE 1**

CONSTRUCTION NOTES

Designed By: C.K.L. Drawn By: J.T., G.Y.
Project No. 2002.33.2600 (D01) Date: AUGUST, 2003

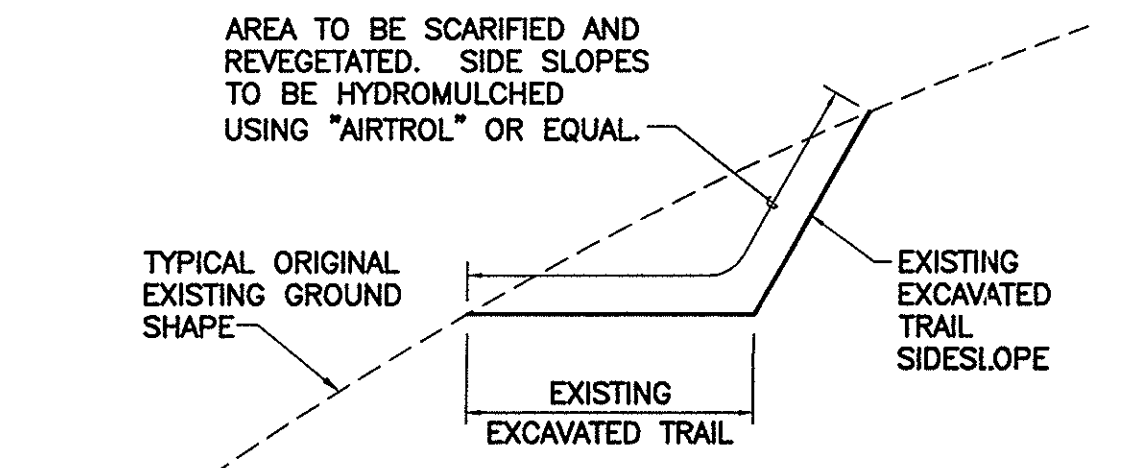
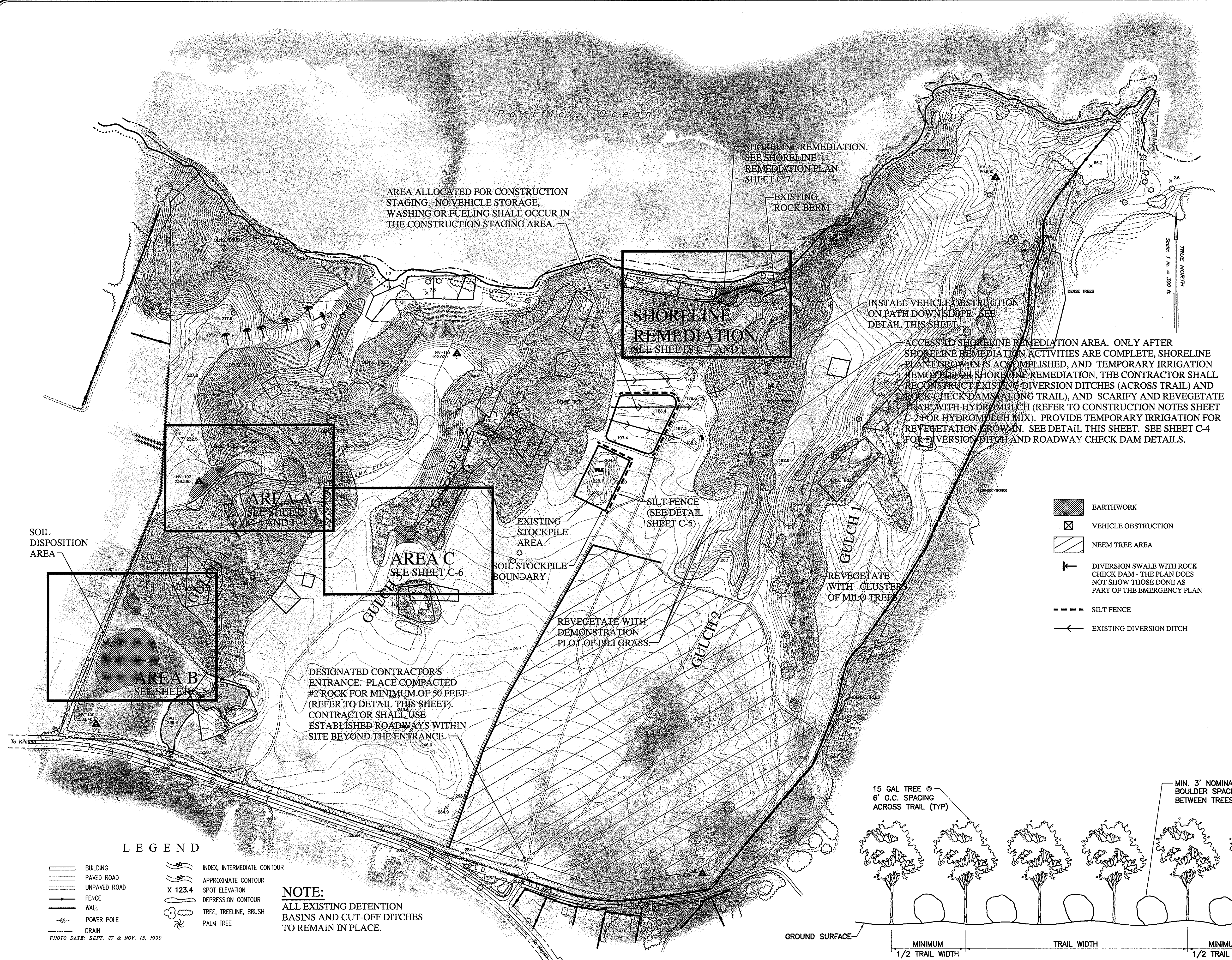
Approved By: _____ Date: _____

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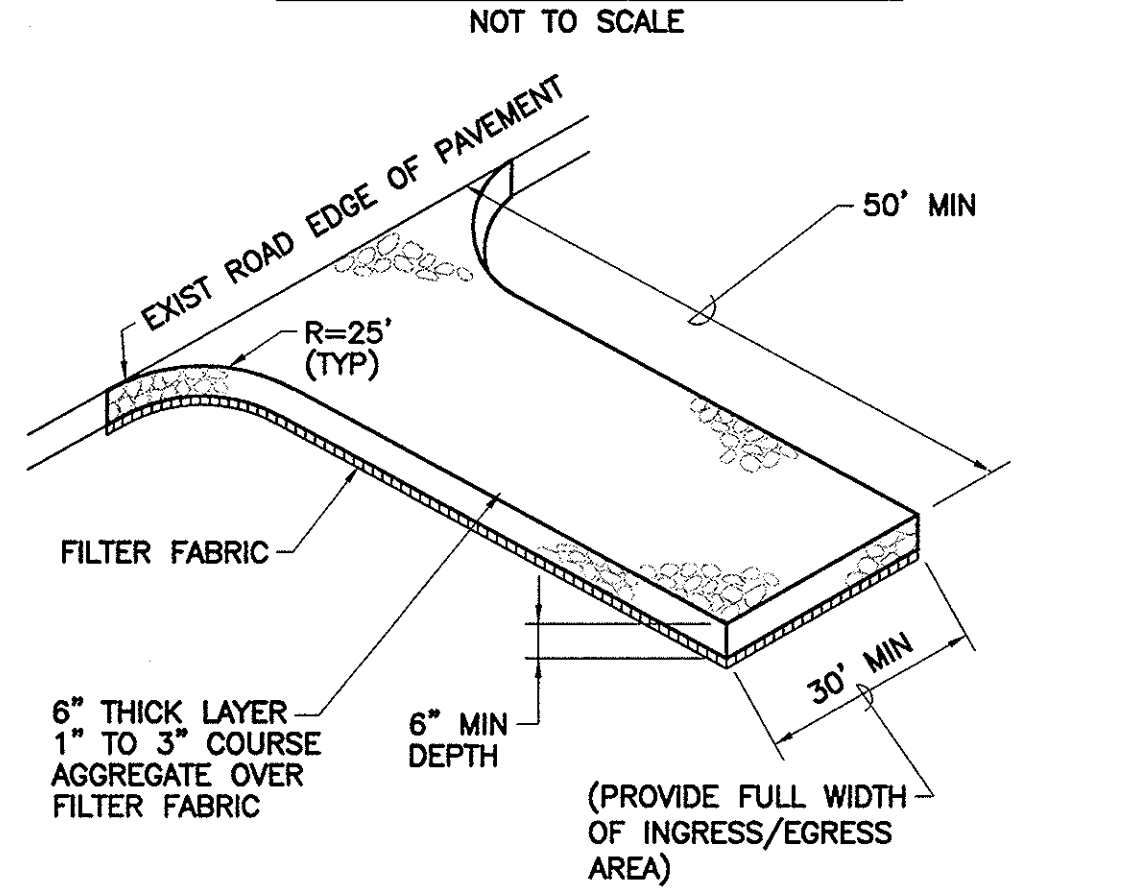
JUL 7, 2004 _____ Date: _____

_____ Date: _____

FILE	POCKET	FOLDER	NO.



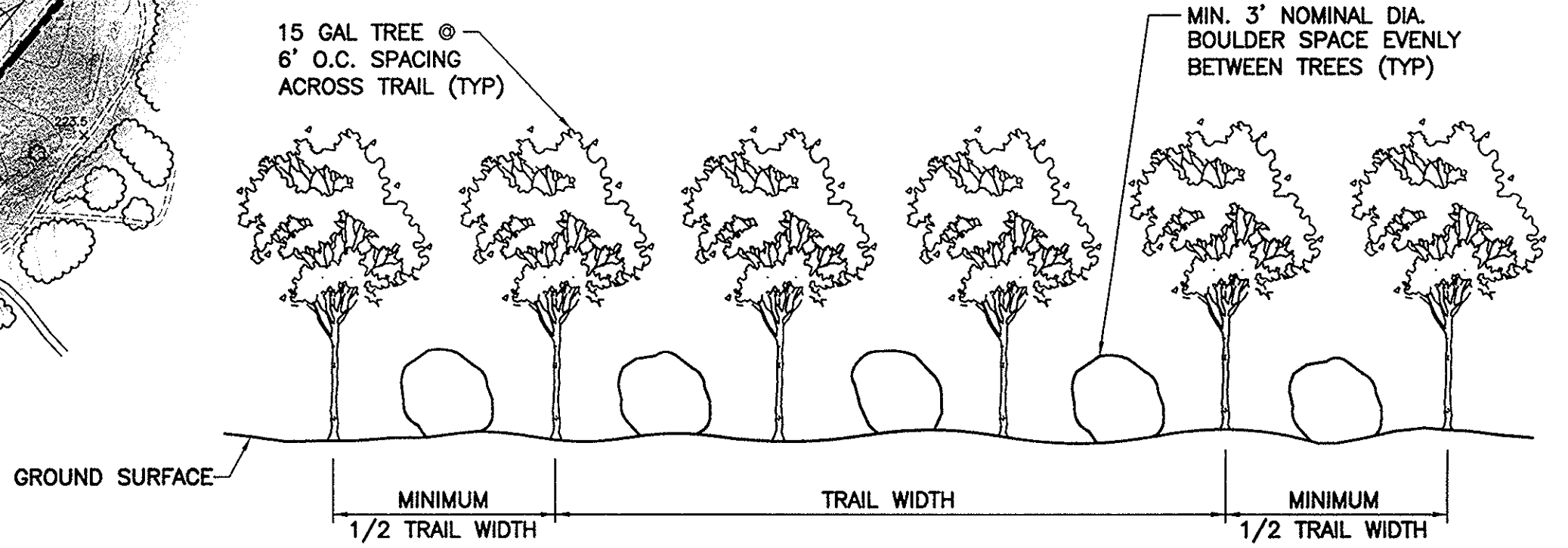
**GULCH 2 TRAIL REVEGETATION
TYPICAL SECTION**



**STABILIZED CONSTRUCTION
ENTRANCE/EXIT DETAIL**

NOT TO SCALE

- EARTHWORK
- VEHICLE OBSTRUCTION
- NEEM TREE AREA
- DIVERSION SWALE WITH ROCK CHECK DAM - THE PLAN DOES NOT SHOW THOSE DONE AS PART OF THE EMERGENCY PLAN
- SILT FENCE
- EXISTING DIVERSION DITCH



VEHICLE OBSTRUCTION DETAIL

NOT TO SCALE

LEGEND

- BUILDING
- PAVED ROAD
- UNPAVED ROAD
- FENCE
- WALL
- POWER POLE
- DRAIN
- INDEX, INTERMEDIATE CONTOUR
- APPROXIMATE CONTOUR
- SPOT ELEVATION
- DEPRESSION CONTOUR
- TREE, TREELINE, BRUSH
- PALM TREE

NOTE:
ALL EXISTING DETENTION BASINS AND CUT-OFF DITCHES TO REMAIN IN PLACE.

CONSENT DECREE VERSION: DECEMBER 16, 2005			
Rev	Date	Description	Eng App
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.			
APRIL 30, 2004 EXPIRATION DATE OF THE LICENSE			
Paul Wallerstein LICENSED PROFESSIONAL ENGINEER No. 2435-C HAWAII, U.S.A.			
Planning • Civil Engineering Landscape Architecture Environmental Consulting Belt Collins Hawaii Ltd. 2153 North King Street, Suite 200 Honolulu, Hawaii 96819 T/808 521 5361 • F/808 538 7819 www.beltcollins.com			
Consultant:			
Client: PILA'A 400, LLC 1450 South Beretania Street Honolulu, Hawaii 96814			
PILA'A 400 REMEDATION PLAN - PACKAGE 1 GENERAL SITE PLAN AND KEY MAP			
Designed By: C.K.L.		Drawn By: J.T., G.Y.	
Project No. 2002.33.2600 (D01)		Date: AUGUST, 2003	
Approved By:			
RECORD COPY			
JUL - 7, 2004			
FILE	PROJECT	FOUNDER	NO.